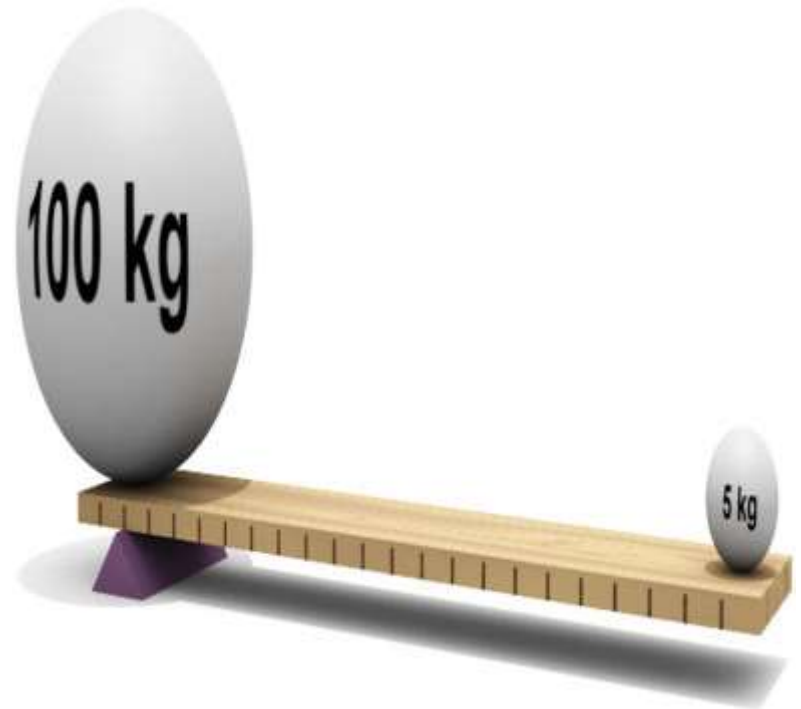


Evolucion i makinave

- Nga makinat e thjeshta tek motoret me kater kohe
 - Burimet e energjise

Llozi

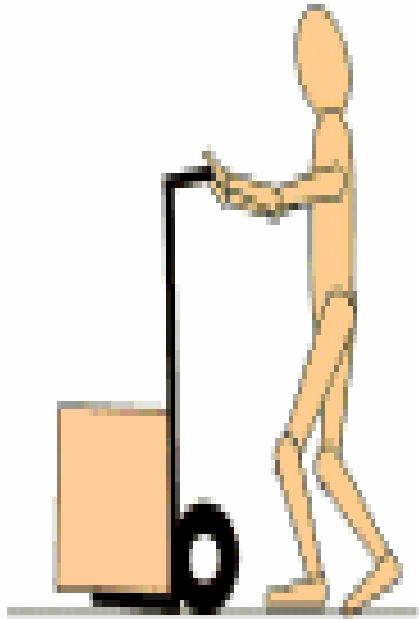
- Llozi është trupi i ngurtë në formë shufre me anën e të cilit me forcë më të vogël fitohet pune më e madhe. Te çdo lloz dallojmë pikën e mbështetjes, pikën zbatuese të forcës dhe pikën zbatuese të peshës. Largësia prej pikë se veprimit të forcës deri te pika mbështetëse e llozit quhet krah i forcës, ndërsa pjesa e llozit prej pikës mbështetëse te pika e veprimit të e peshës quhet krah i peshës.*



$$F_1 \times d_1 = R \times d_2$$

Llojet e levave

By V. Ryan



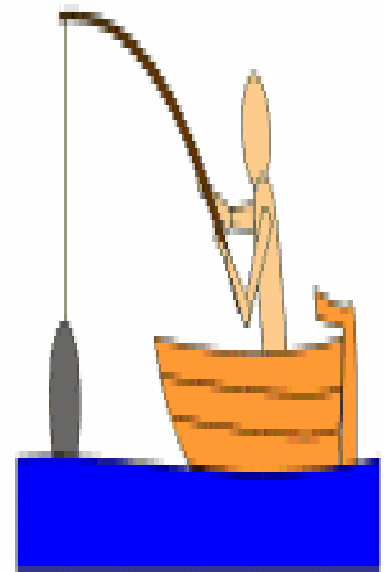
Klasa 1

By V. Ryan

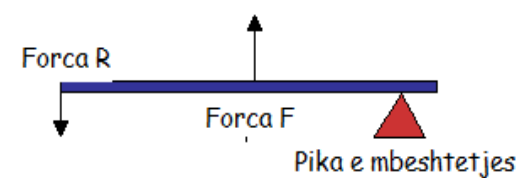
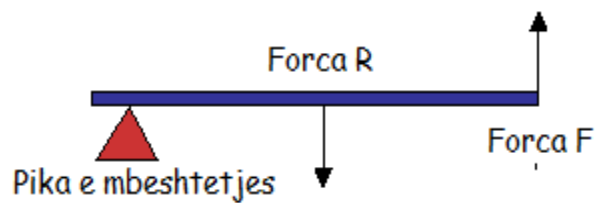
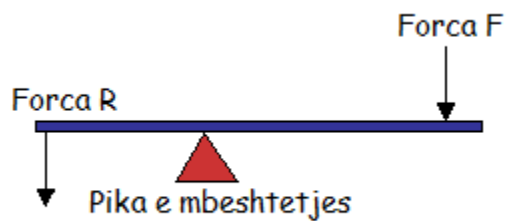


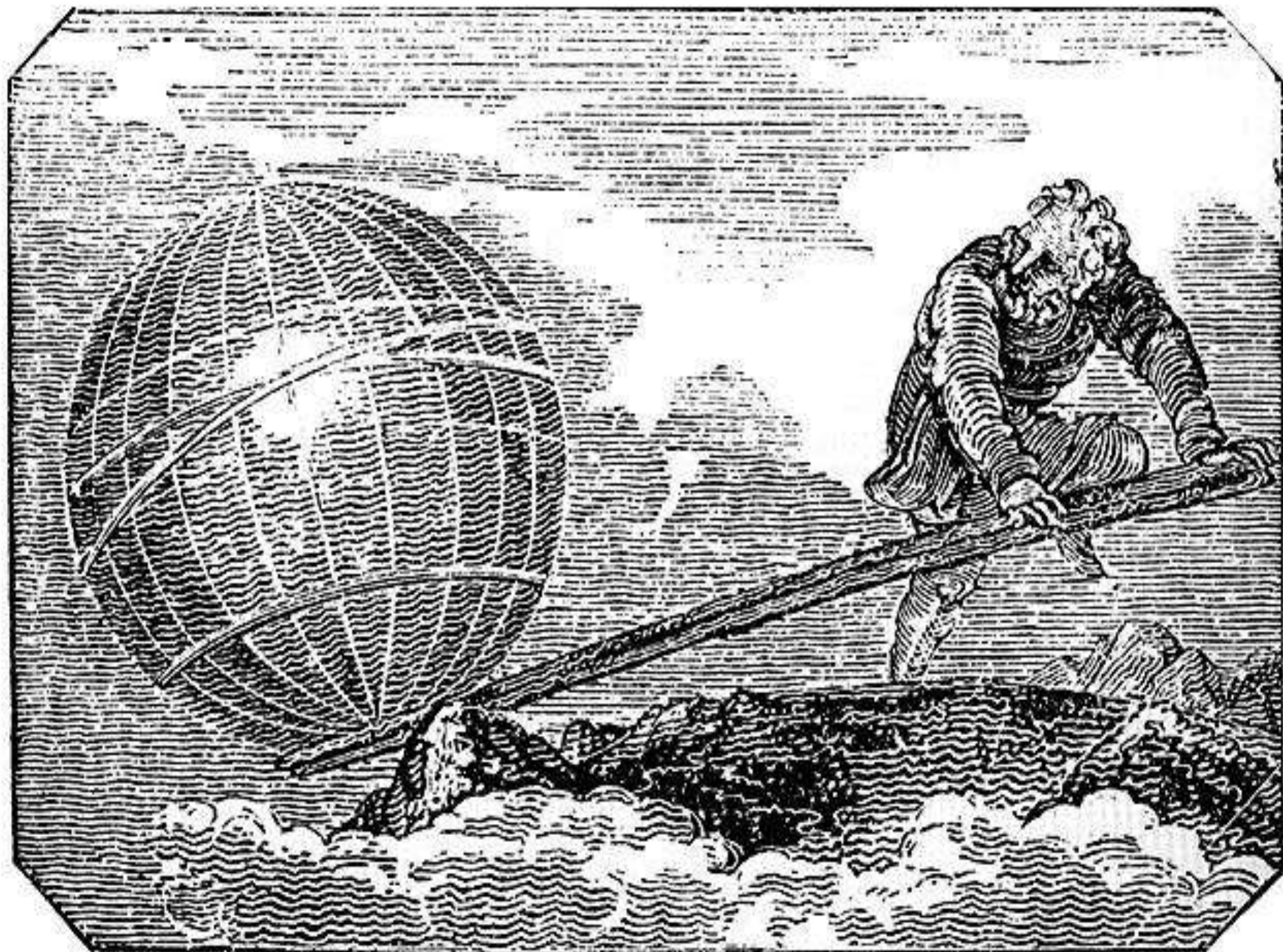
Klasa 2

By V. Ryan



Klasa 3





Rrafshi i pjerrët

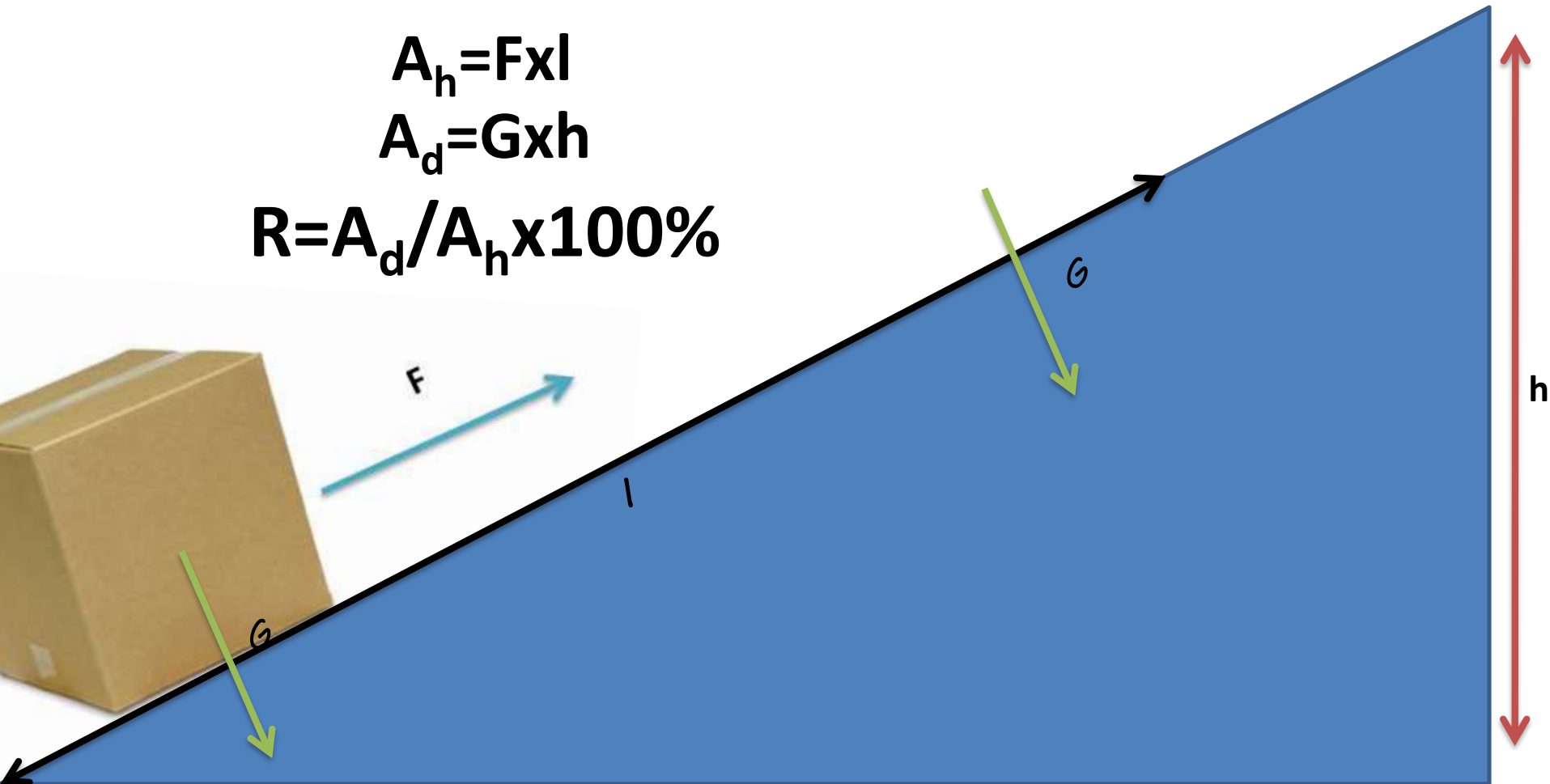
Ne mungese të forcave të ferkimit:

$$F/G = h/l$$

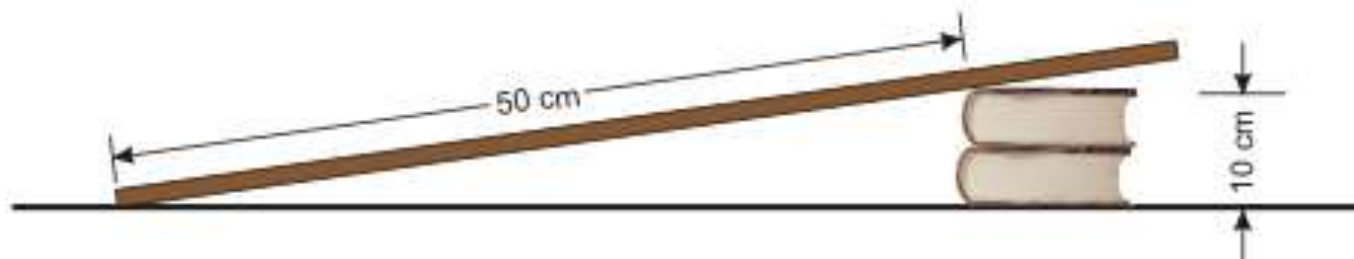
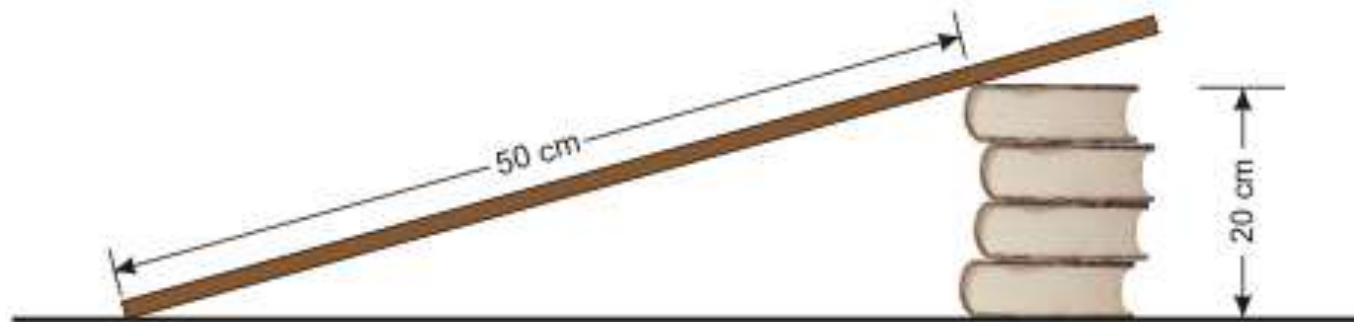
$$A_h = F \times l$$

$$A_d = G \times h$$

$$R = A_d / A_h \times 100\%$$



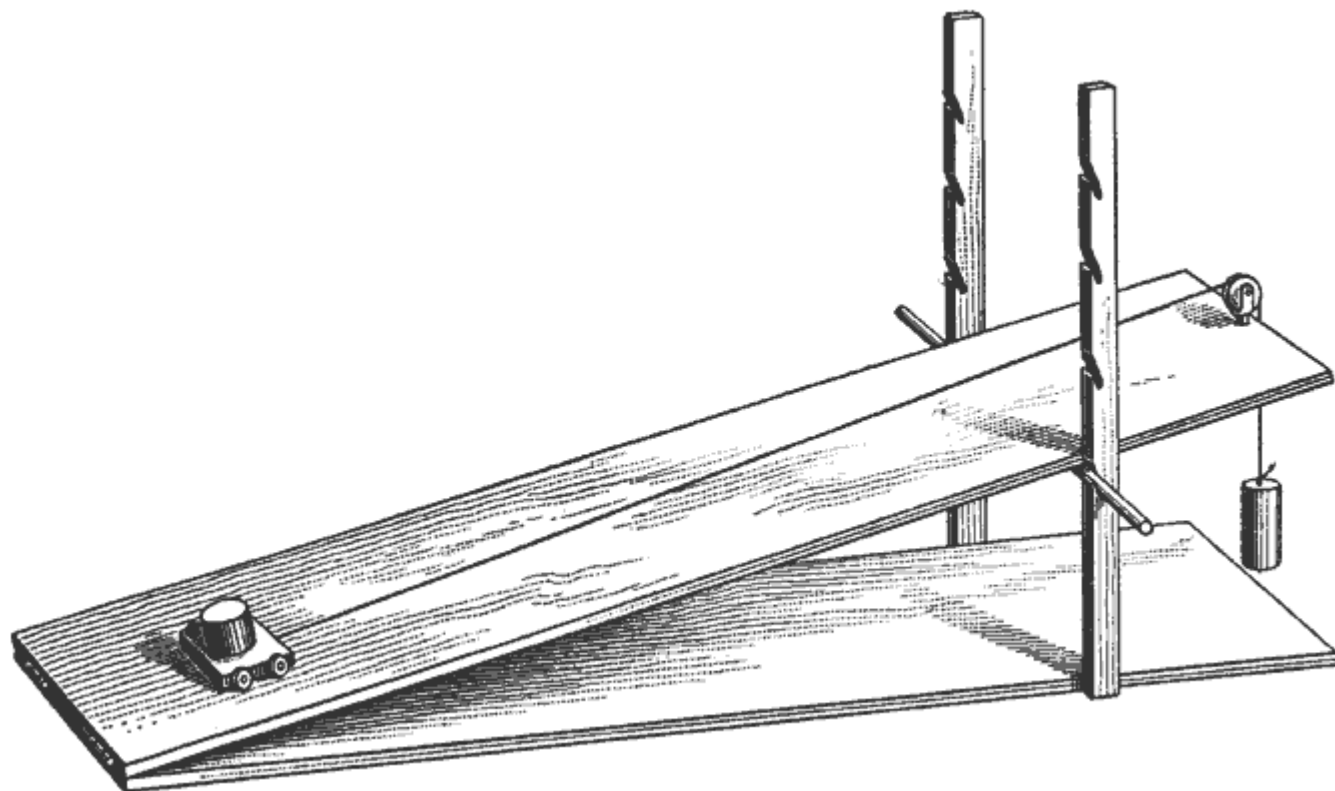
Rrafshi i pjerrët



Rrafshi i pjerrët



Rrafshi i pjerrët



Rrafshi i pjerrët



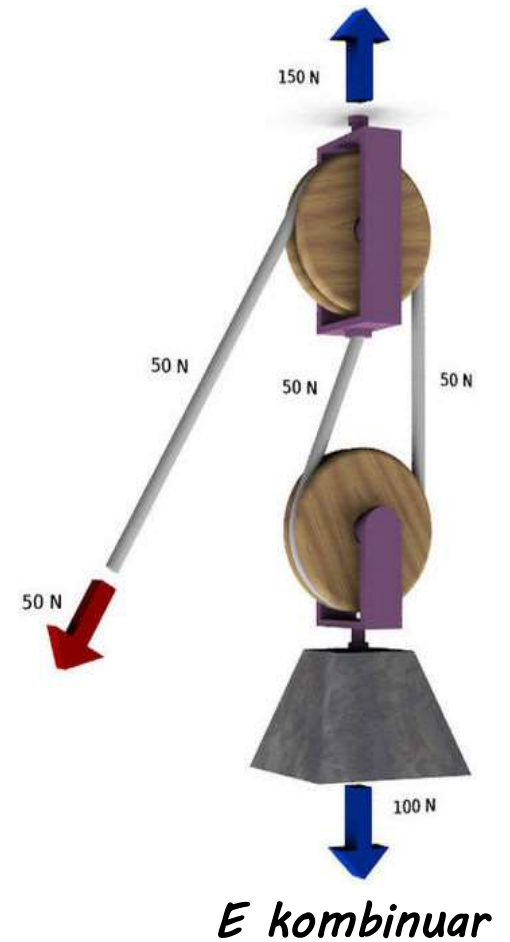
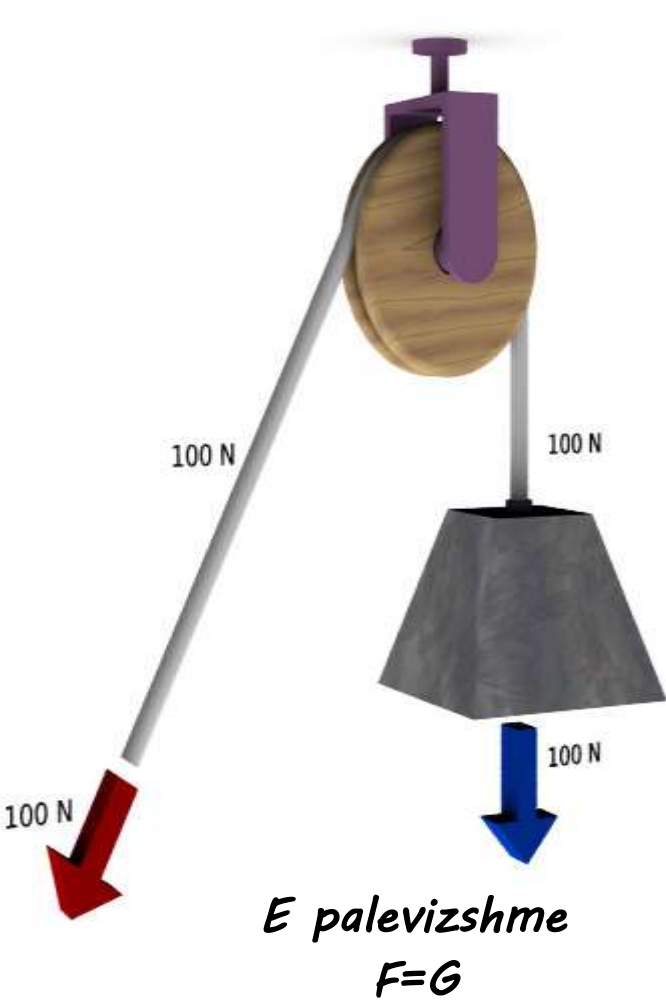
Rrafshi i pjerrët



Rrafshi i pjerrët



Rrotullat



Rrotullat



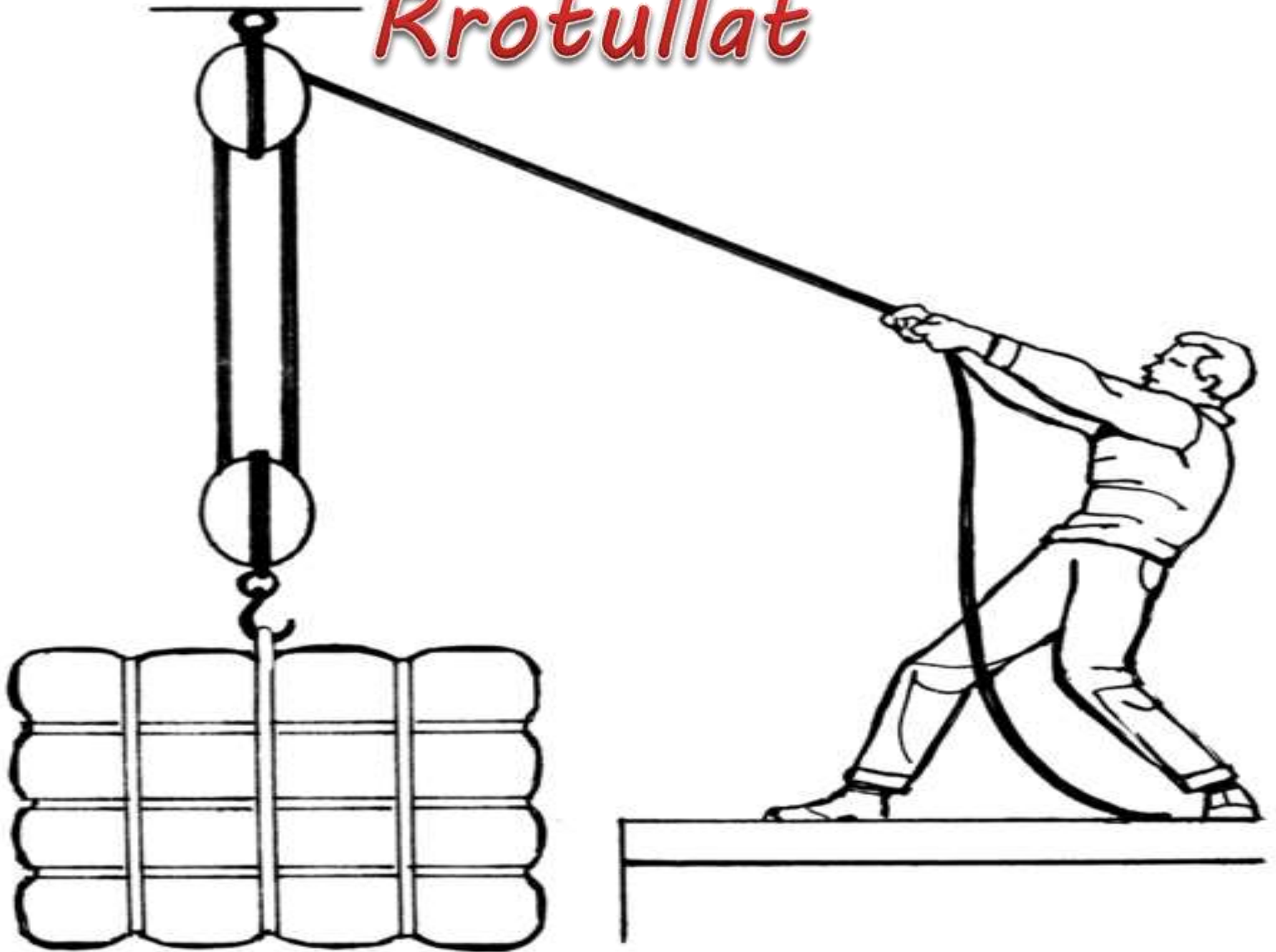
Rrotullat



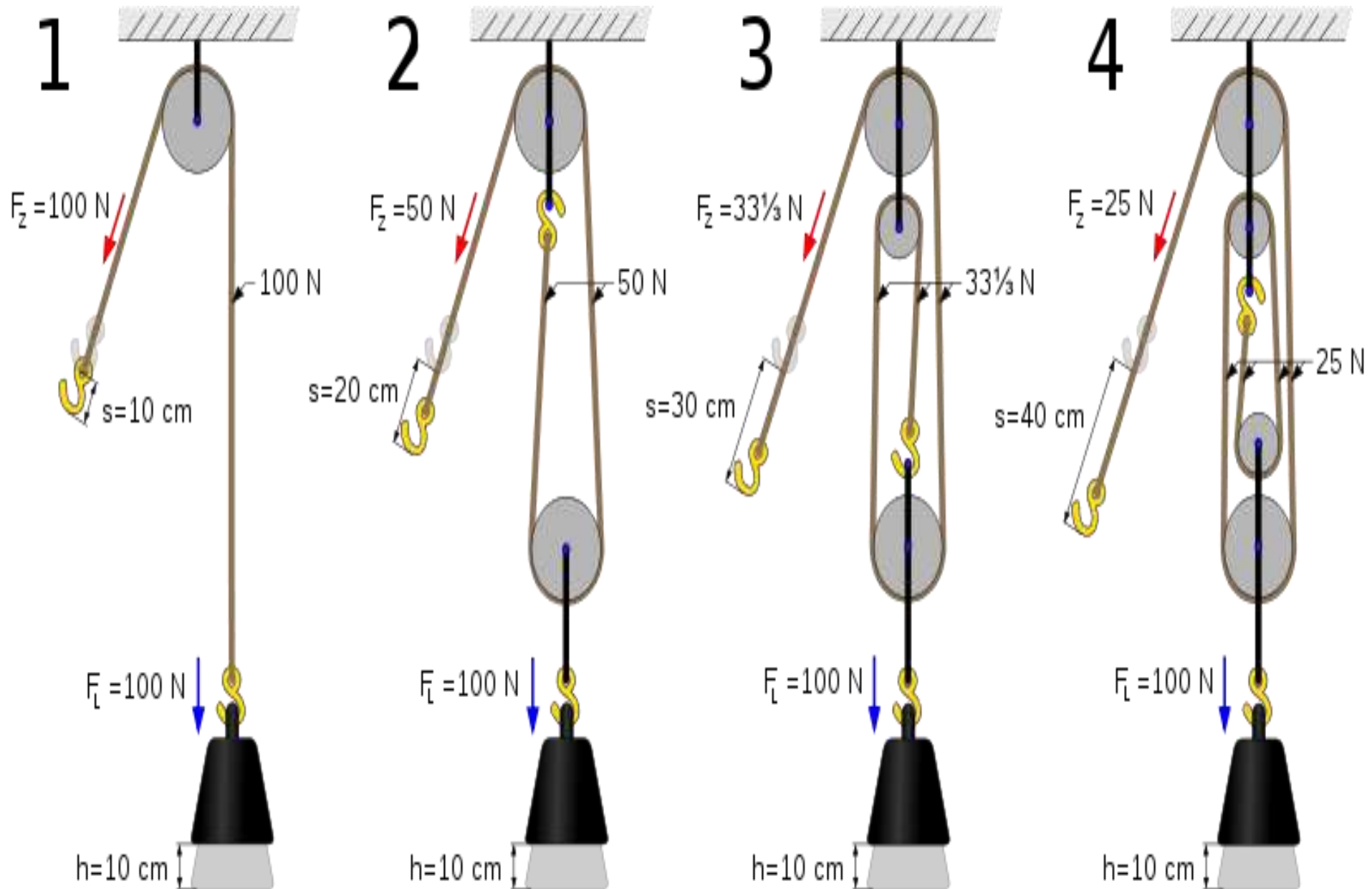
Rrotullat



Rrotullat



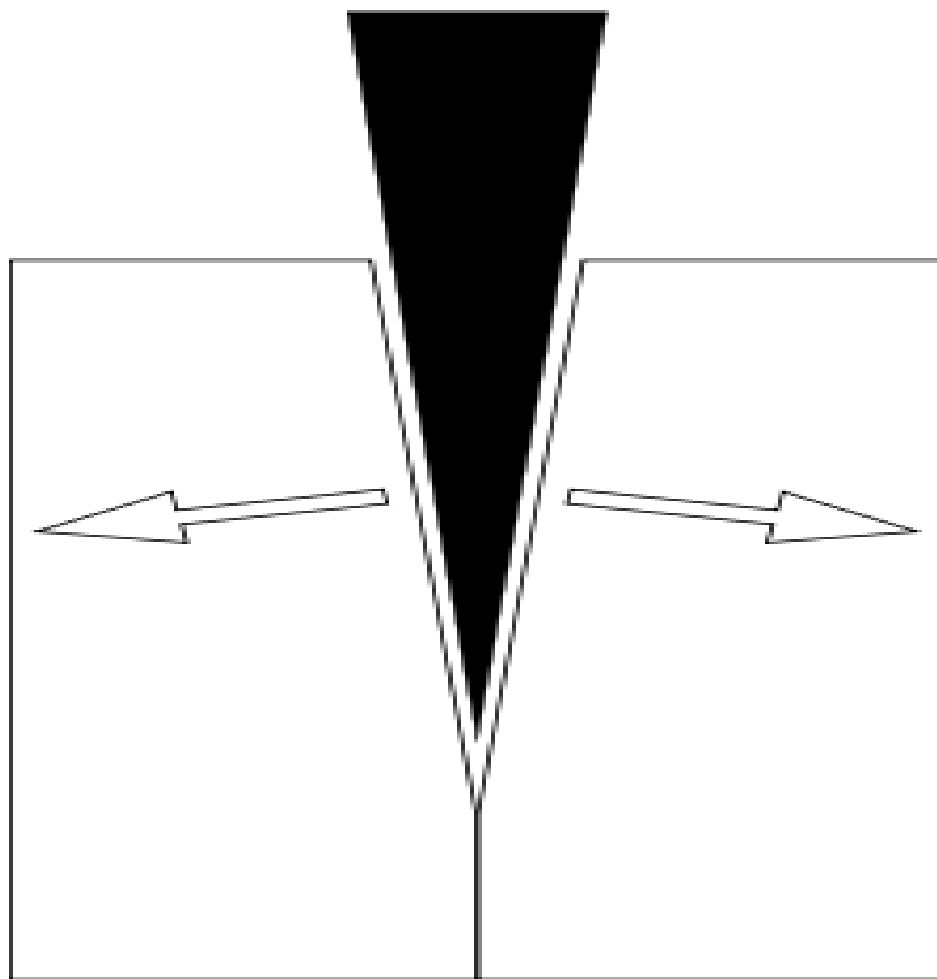
Avantazhi mekanik i rrotullave



Pyka



Рyкa



Рыка



Ingranazhi



Ingranazhi



*Dhembet e ingranazhit nuk lejojne
rreshqitjen.*

Ingranazhi



Transmitoret





Motori me kater kohe

*Ne themel te shpikjes se makinave
qendron motori me kater kohe i
cili kryen kater faza:*

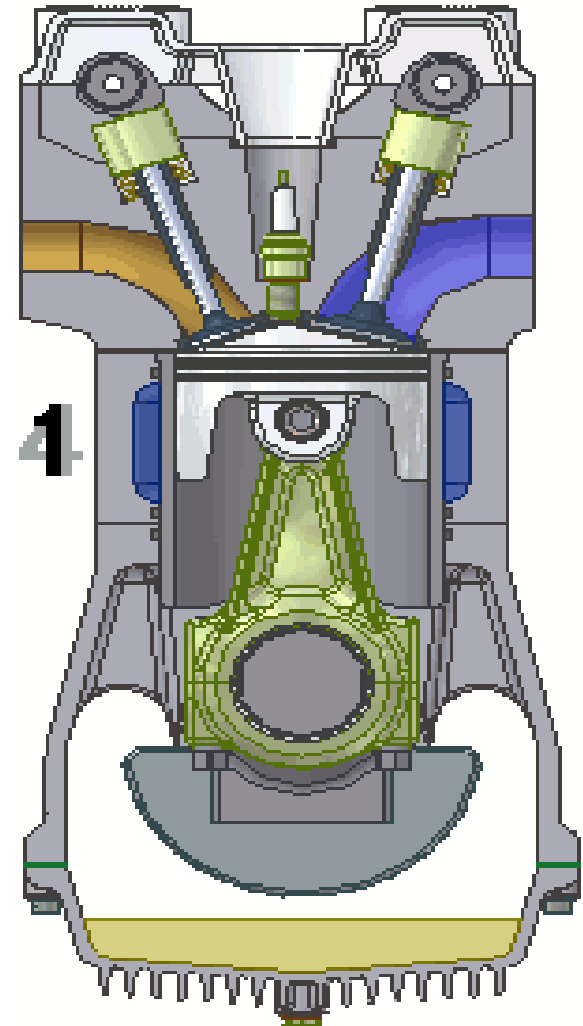
- 1• Thithjen
- 2• Ngjeshjen
- 3• Punen
- 4• Shkarkimin

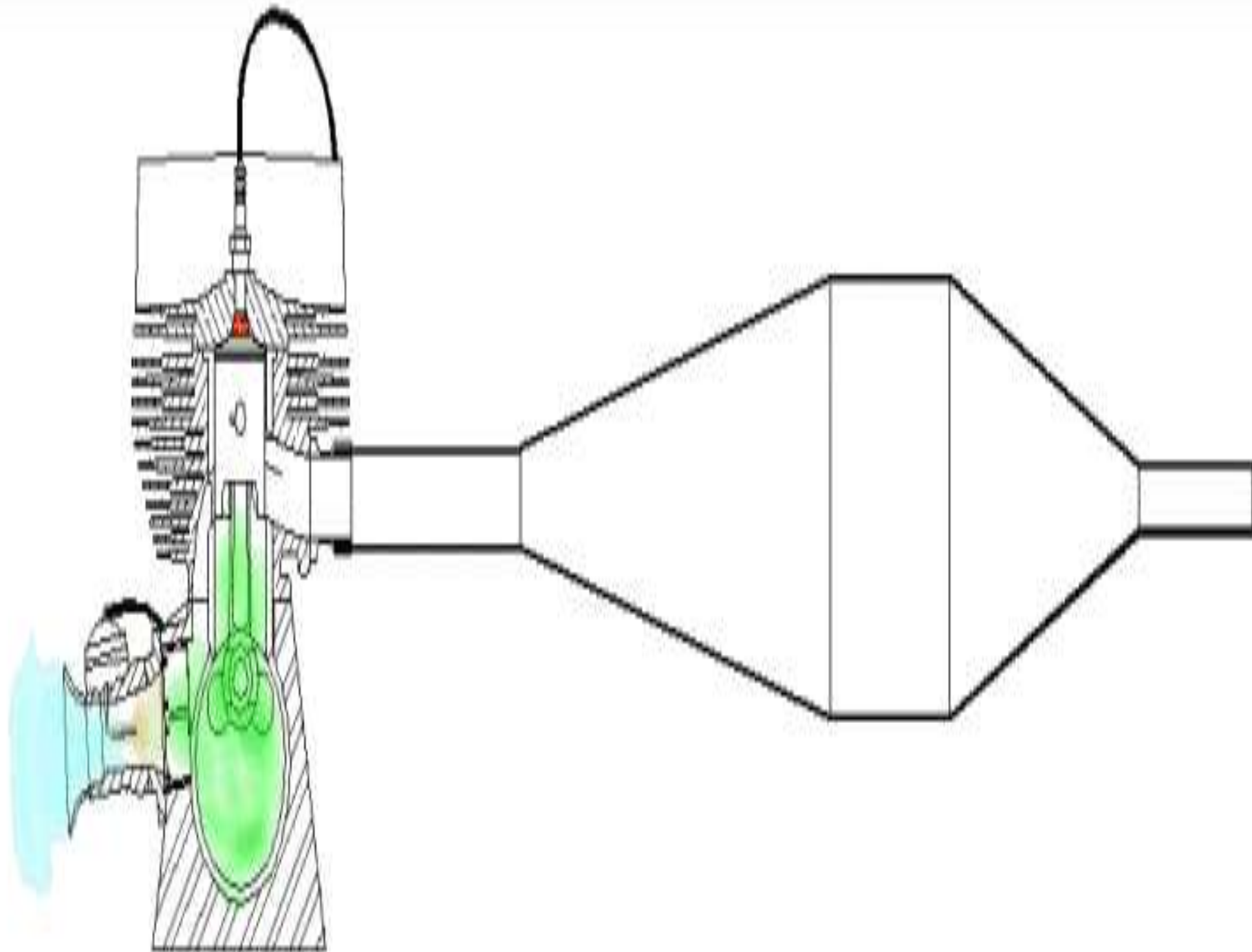
*Kete motor e projektoi
inxhinieri gjerman Nikolaus
Otto, i cili e prezantoi ne
Ekspoziten universale ne
Paris ne vitin 1878.*

*Ky motor qe ushqehej ,me gaz
u persos nga Daimler dhe
Maybach, te cilet e
modifikuan qe te punonte
me benzine.*

$$E_h = E_d + Q$$

$$R = A_d / m_q \times 100\%$$







*50% me teper fuqi se
Motri me 4 cilindra*



Evoluzioni i makines



Elektromotori

Një motor elektrik është një motor që përdor energji elektrike për të prodhuar energji mekanike, zakonisht përmes bashkëveprimit të fushës magnetike dhe përçuesve elektrik. Procesi i kundërt, duke prodhuar energji elektrike nga energjia mekanike, është kryer nga një gjenerator ose dinamo. Motor fërkimi që përdoren në automjetet shpesh kryejnë të dy detyrat.





Energjia e ujit



Energjia e dallgeve



Energjia diellore

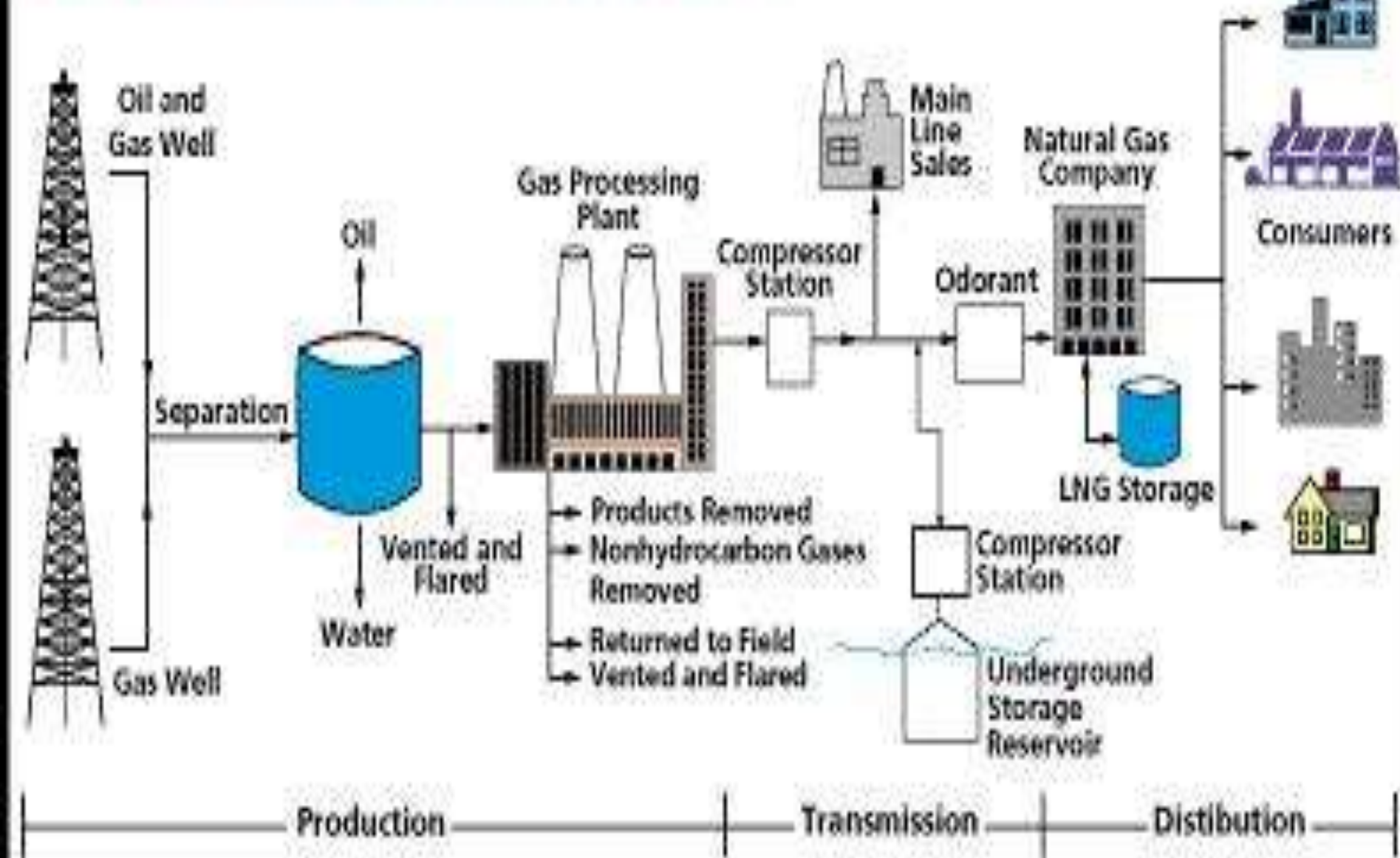
How Solar Works



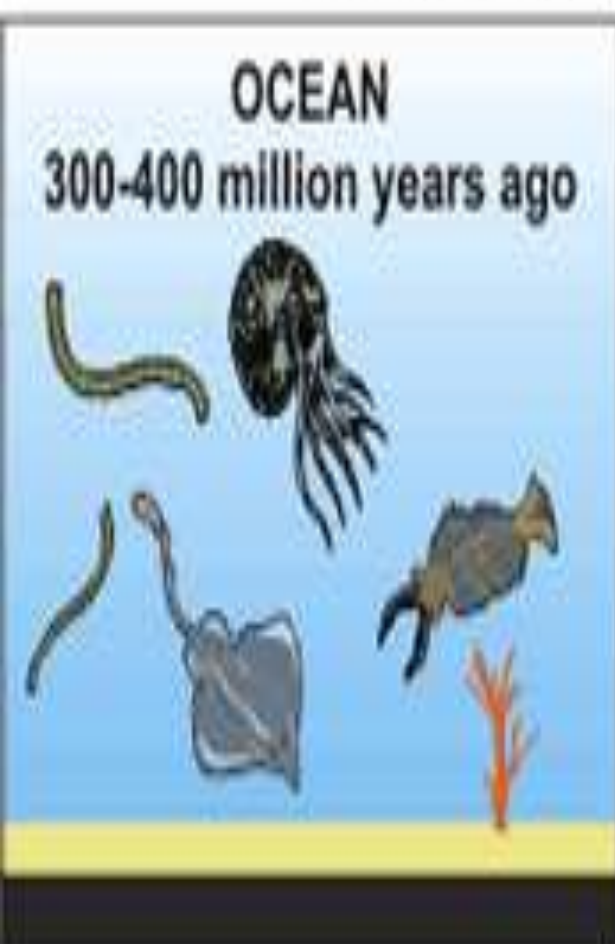
Energjia e eres



THE NATURAL GAS INDUSTRY



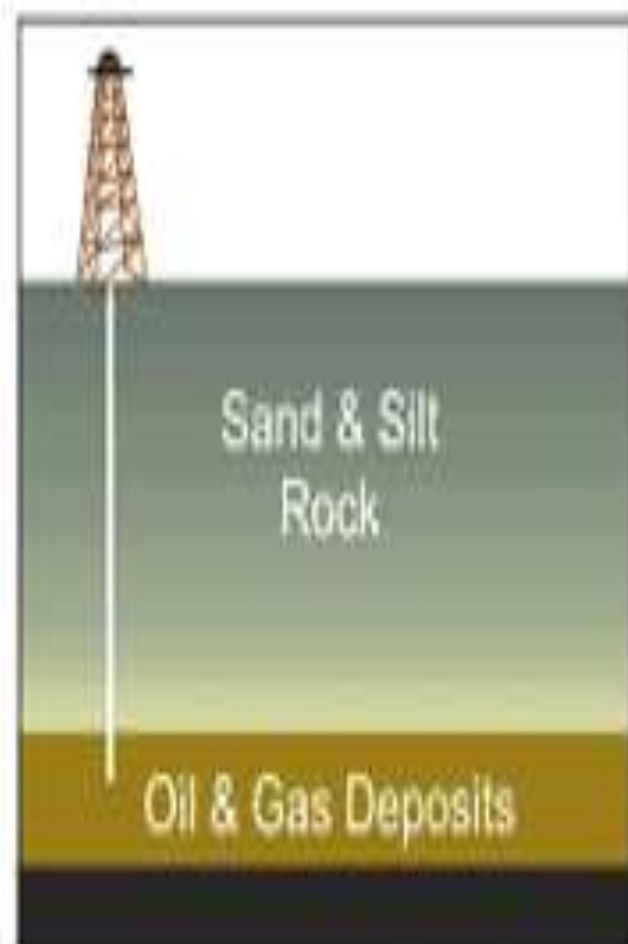
PETROLEUM & NATURAL GAS FORMATION



Tiny sea plants and animals died and were buried on the ocean floor. Over time, they were covered by layers of silt and sand.



Over millions of years, the remains were buried deeper and deeper. The enormous heat and pressure turned them into oil and gas.



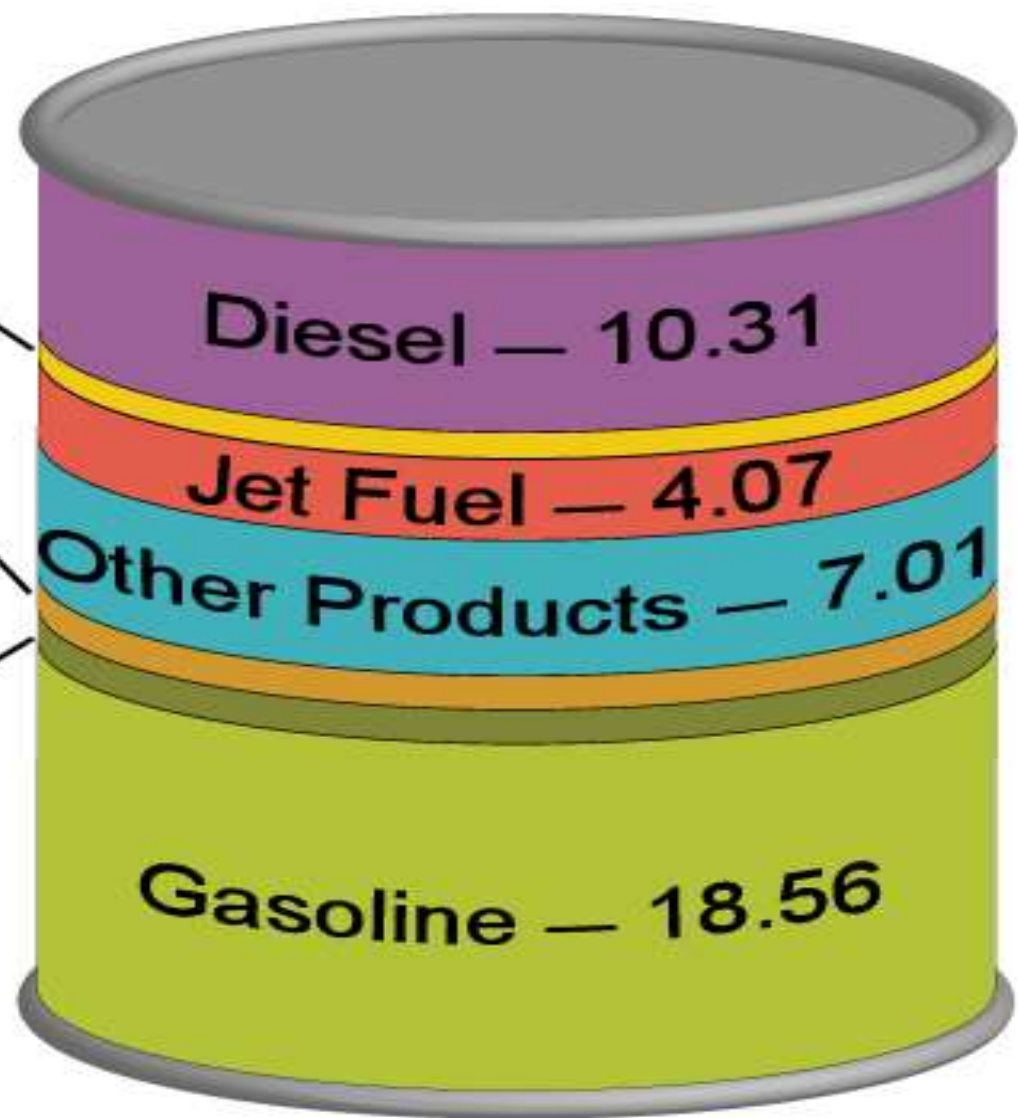
Today, we drill down through layers of sand, silt, and rock to reach the rock formations that contain oil and gas deposits.

Products Made from a Barrel of Crude Oil (Gallons) (2008)

Other Distillates
(heating oil) — 1.38

Heavy Fuel Oil
(Residual) — 1.68

Liquefied
Petroleum Gases
(LPG) — 1.72



Nafta



Produktet e perftuara nga djegia e naftes

- *Dioksid karboni(CO_2)*
- *Monoksid karboni(CO)*
- *Dioksid squfuri(SO_2)*
- *Okside azoti(NO_x)*
- *Plumb dhe lende te tjera toksike si benzen, formaldehid etj.*



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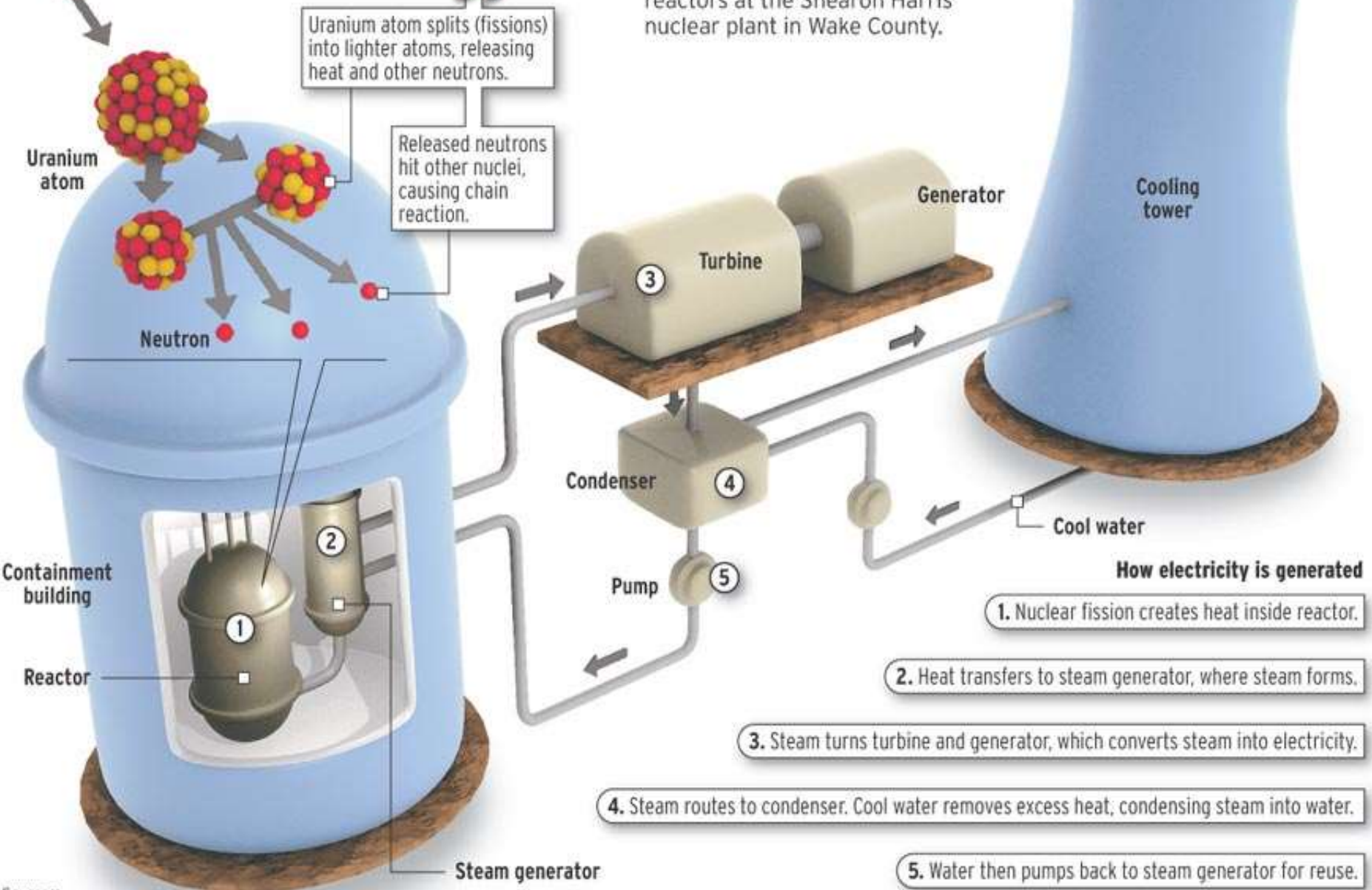
U

Uranium

238,02891

238,02891
235,04393
234,04095
232,03714
230,03312
228,02871

Workings of nuclear fission Energija berthamore NUCLEAR POWER 101 Progress Energy said Monday that it will seek a license for two nuclear reactors at the Shearon Harris nuclear plant in Wake County.

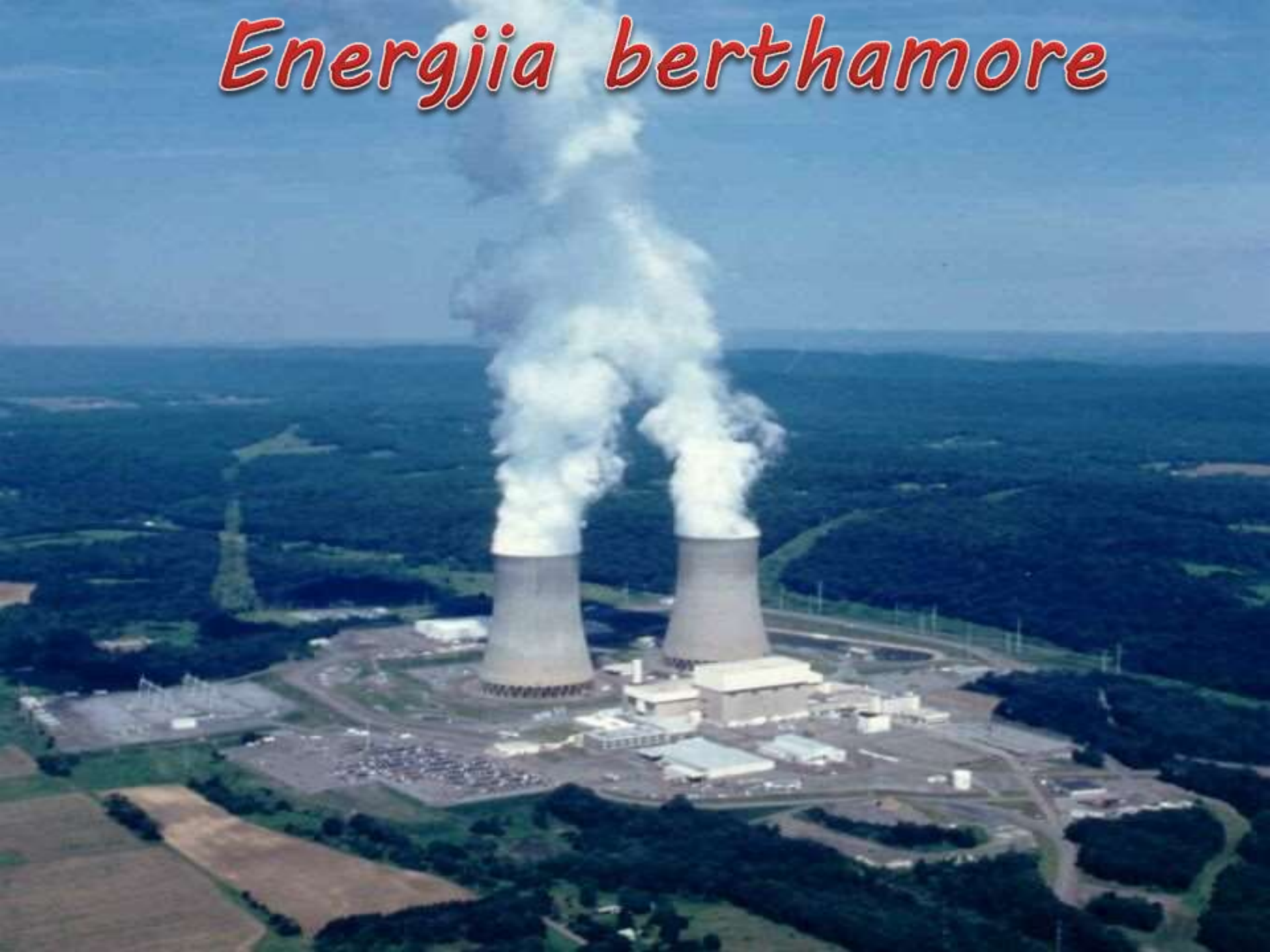


Sources:
HowStuffWorks,
Progress Energy

Anije berthamore



Energjia berthamore



Energjia berthamore

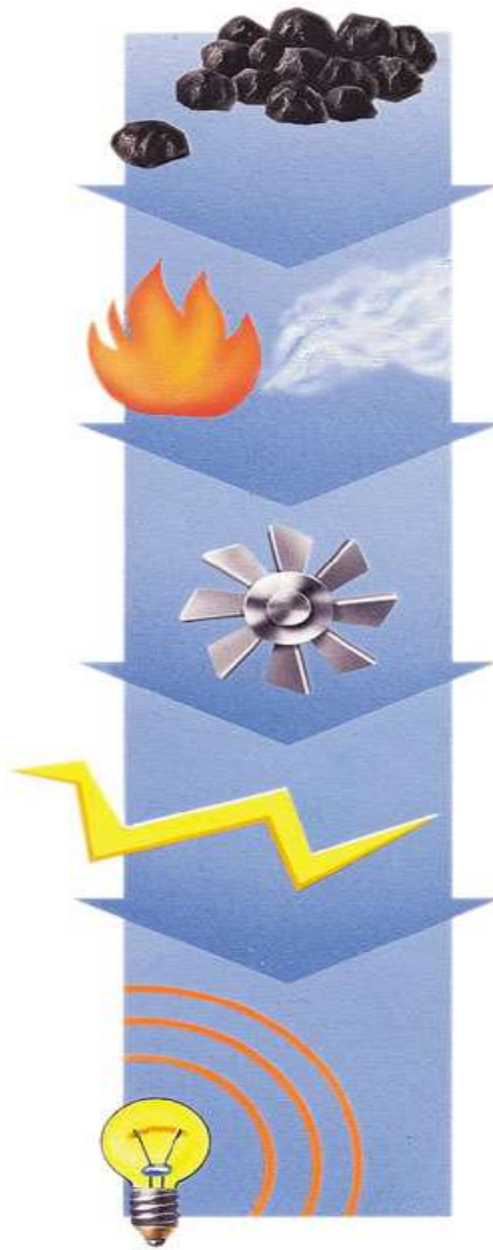


Hidrogjeni





Shnderrimet e energjise

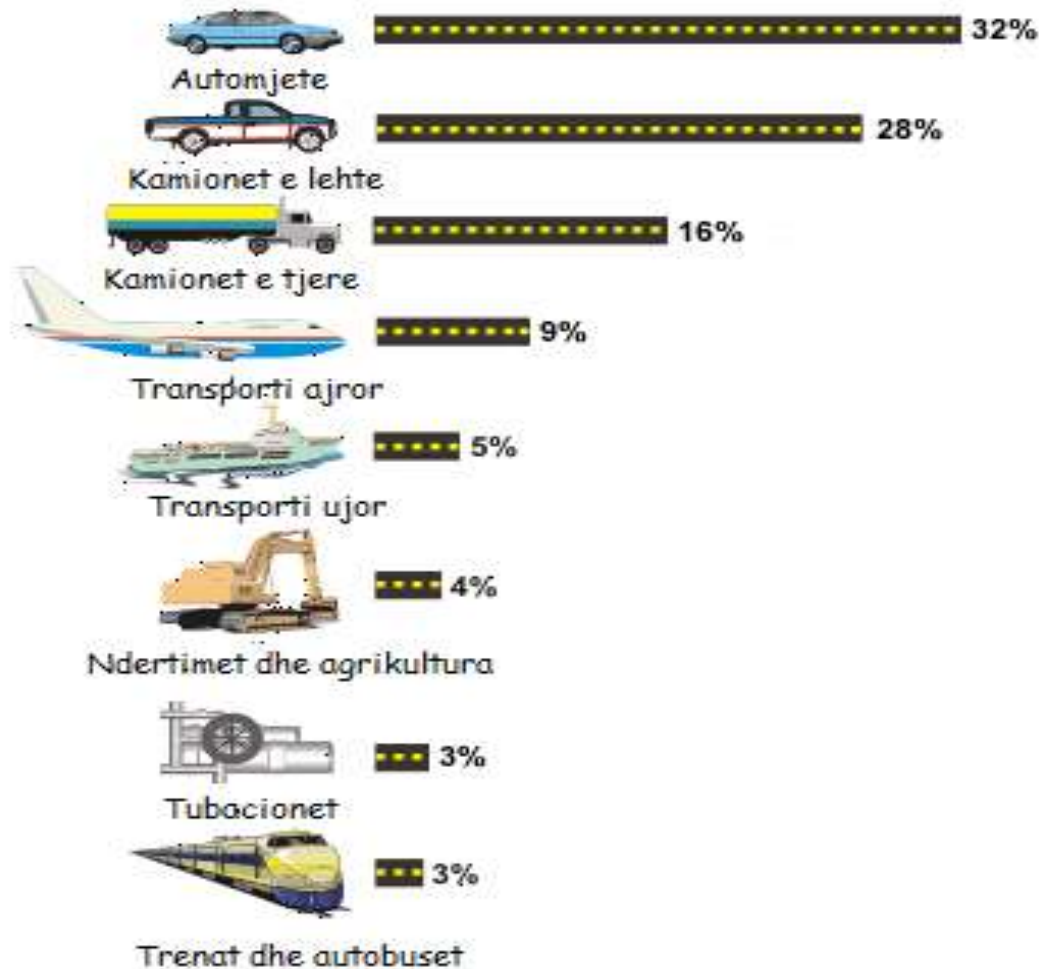


Qymyri eshte mbetje e fosilizuar e bimeve mijeravjecare. Ai ka energji kimike qe erdhi fillimisht nga Dielli.

Kur qymyri digjet energjia kimike shnderrohet ne energji te nxehtesise e cila ngroh ujin dhe prodhon avullin. Avulli leviz turbinat, te cilat prodhojne energji kinetike. Energjia kinetike shnderrohet ne energji elektrike ne gjenerator.

Aparate si llambat, televizoret, radiot apo ngrohesis, e shnderrojne energjine elektrike ne drite, ze dhe nxehtesi.

Konsumi i energjise nga mjetet e transportit



Shkalla e Kadashevit

- *Shkalla e Kadashevit eshte nje shkalle e cila mat avancimin e nje qyteterimi duke vene ne radhe te pare konsumin e energjise.*
- 1. *Tipi 1-Civilizim i cili mund te shfrytetoje tere energjine qe i ofron planeti i tij.*
- 2. *Tipi 2-Civilizim i cili mund te shfrytetoje tere energjine e mundshme nga nje yll i vetem.*
- 3. *Tipi 3-Civilizim i cili mund te shfrytetoje tere energjine e mundhme nga nje galaktike.*

